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CENTRAL FAX CENTER****DEC 22 2005****DATE:** December 22, 2005**TO:** Examiner Paulos M. NATNAEL      **FAX NO.:** 571-273-8300  
USPTO GPAU 2614**FROM:** Adam D. Sheehan  
Reg. No.: 42,146**RE U.S. App. No.:** 10/008,630, filed November 13, 2001**Applicant(s):** Edward G. CALLWAY et al.**Atty Dkt No.:** ATI.0100570 (1376-0100570)**Title:** SYSTEM FOR IMPROVED RATIO METRIC EXPANSION AND  
METHOD THEREOF**NO. OF PAGES (including Cover Sheet):** 5**MESSAGE:**

Attached please find:

- Transmittal Form (1 pg)
- Response to Office Action (3 pgs)

5000 Plaza On The Lake  
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Fax: (512) 327-5452

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NO. 4648 P. 2

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PTO/SB/21 (09-04)

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TRANSMITTAL  
FORM

(to be used for all correspondence after initial filing)

Total Number of Pages In This Submission

Application Number	10/008,630
Filing Date	November 13, 2001
First Named Inventor	Edward G. CALLWAY
Art Unit	2614
Examiner Name	Paulos M. NATNAEL
Total Number of Pages In This Submission	4
Attorney Docket Number	ATI.0100570 (1376-0100570)

## ENCLOSURES (Check all that apply)

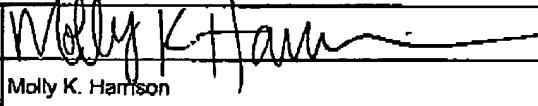
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Terminal Disclaimer
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Request for Refund	<input type="checkbox"/> CD, Number of CD(s) _____
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Information Disclosure Statement		
<input type="checkbox"/> Certified Copy of Priority Document(s)		
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		
<b>Remarks</b>		
<b>CUSTOMER NO.: 34456</b>		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	TOLER, LARSON & ABEL, LLP		
Signature			
Printed name	Adam D. Sheehan		
Date	December 22, 2005	Reg. No.	42,146

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	
Typed or printed name	Molly K. Harrison
Date	December 22, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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NO. 4648 P. 3

**DEC 22 2005**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Edward G. CALLWAY et al.

Title: SYSTEM FOR IMPROVED RATIO METRIC EXPANSION AND METHOD THEREOF

App. No.: 10/008,630 Filed: 11/13/2001

Examiner: NATNAEL, Paulos M. Group Art Unit: 2614

Customer No.: 34456 Confirmation No.: 5733

Atty. Dkt. No.: ATI.0100570  
(1376-0100570)

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**RESPONSE TO OFFICE ACTION**

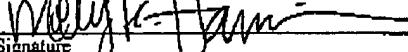
Dear Sir:

In response to the Office Action mailed October 5, 2005, please amend the above-identified application as follows:

Remarks begin on page 2.

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Molly K. Harrison  
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